

WHAT IS CLAIMED IS:

1. A vector for expression of foreign genes in gram positive bacteria, comprising orfA and orfB.
2. A vector according to claim 1, wherein said gram positive bacteria are selected from the group consisting of *Streptococcus gordonii*, *Streptococcus pyogenes*, *Streptococcus mutans*, *Streptococcus epidermidis*, *Streptococcus pneumoniae*, *Lactococcus lactis*, *Lactobacillus helveticus*, *Lactobacillus paracasei*, *Enterococcus faecalis*, *Staphylococcus aureus*, Group B streptococci, Group G streptococci, *Peptostreptococcus magnus*, *Streptococcus dysgalactiae*, *Streptococcus suis*, *Streptococcus sobrinus*, *Listeria monocytogenes*, *Actinomyces viscosus*, *Actinomyces naeslundii*, *Streptococcus zooepidemicus*, *Streptococcus equisimilis*, *Streptococcus sobrinus*, *Bacillus licheniformis*, *Streptococcus sanguis*, and *Streptococcus salivarius*.
3. A vector according to claim 2, wherein said gram positive bacteria are *Streptococcus gordonii*.
4. A vector according to claim 1, wherein said vector further comprises an insertion site between orfA and orfB.
5. A vector according to claim 4, wherein said insertion site is selected from the group consisting of NdeI, BamHI, BglII, ClaI, EcoRI, EcoRV, HindIII, HpaI, KpnI, PvuII, PstI, SacI, SalI, Scal, SpeI, SphI, StuI, XbaI, and XhoI.
6. A vector according to claim 5, wherein said insertion site is NdeI.
7. A vector according to claim 4, wherein said vector further comprises a DNA molecule encoding a peptide, polypeptide, or protein foreign to the gram positive bacteria, said DNA molecule being located between orfA and

orfB, and following the insertion site.

8. A vector according to claim 7, wherein said peptide, polypeptide, or protein is the M6 protein.

9. A vector according to claim 1, further comprising a selectable marker.

10. A vector according to claim 9, wherein the selectable marker is an antibiotic resistance gene.

11. A vector according to claim 10, wherein said antibiotic resistance gene confers resistance to kanamycin, erythromycin, spectromycin, and/or tetracycline.

12. A vector according to claim 11, wherein the antibiotic resistance gene is selected from the group consisting of aphIII, ermC, ermAM, aadA, tetM, and tetO.

13. A vector for expression of foreign genes in gram positive bacteria, comprising nucleotides encoding amino acids 94 and 95 of the lacG gene.

14. A vector according to claim 13, wherein said gram positive bacteria are selected from the group consisting of *Streptococcus gordonii*, *Streptococcus pyogenes*, *Streptococcus mutans*, *Streptococcus epidermidis*, *Streptococcus pneumoniae*, *Lactococcus lactis*, *Lactobacillus helveticus*, *Lactobacillus paracasei*, *Enterococcus faecalis*, *Staphylococcus aureus*, Group B streptococci, Group G streptococci, *Peptostreptococcus magnus*, *Streptococcus dysgalactiae*, *Streptococcus suis*, *Streptococcus sobrinus*, *Listeria monocytogenes*, *Actinomyces viscosus*, *Actinomyces naeslundii*, *Streptococcus zooepidemicus*, *Streptococcus equisimilis*, *Streptococcus sobrinus*, *Bacillus licheniformis*, *Streptococcus sanguis*, and *Streptococcus salivarius*.

15. A vector according to claim 14, wherein said gram positive bacteria are *Streptococcus gordonii*.
16. A vector according to claim 13, wherein said vector further comprises an insertion site between the nucleotides encoding amino acids 94 and 95 of the lacG gene.
17. A vector according to claim 16, wherein said insertion site is selected from the group consisting of NdeI, BamHI, BglII, ClaI, EcoRI, EcoRV, HindIII, HpaI, KpnI, PvuII, PstI, SacI, SalI, Scal, SpeI, SphI, StuI, XbaI, and XhoI.
18. A vector according to claim 17, wherein said insertion site is NdeI.
19. A vector according to claim 16, wherein said vector further comprises a DNA molecule encoding a peptide, polypeptide, or protein foreign to the gram positive bacteria, said DNA molecule being located between the nucleotides encoding amino acids 94 and 95 of the lacG gene, and following the insertion site.
20. A vector according to claim 19, wherein said peptide, polypeptide, or protein is the M6 protein.
21. A vector according to claim 13, further comprising a selectable marker.
22. A vector according to claim 21, wherein the selectable marker is an antibiotic resistance gene.
23. A vector according to claim 22, wherein said antibiotic resistance gene confers resistance to kanamycin, erythromycin, spectromycin, and/or

tetracycline.

24. A vector according to claim 23, wherein the antibiotic resistance gene is selected from the group consisting of aphIII, ermC, ermAM, aadA, tetM, and tetO.